

0590
0614

8

ENTERED



OICE

RAW SEQUENCE LISTING

DATE: 06/14/2002

PATENT APPLICATION: US/10/054,873

TIME: 10:21:00

Input Set : A:\-1-3.app

Output Set: N:\CRF3\06142002\J054873.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Gan, Zhong Ru

8 (ii) TITLE OF INVENTION: Chimeric Protein Containing an

9 Intramolecular Chaperone-Like Sequence

11 (iii) NUMBER OF SEQUENCES: 7

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

15 (B) STREET: Two Embarcadero Center, Eighth Floor

16 (C) CITY: San Francisco

17 (D) STATE: California

18 (E) COUNTRY: USA

19 (F) ZIP: 94111-3834

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/10/054,873

C--> 29 (B) FILING DATE: 22-Jan-2002

30 (C) CLASSIFICATION:

36 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: WO PCT/CN98/00052

34 (B) FILING DATE: 31-MAR-1998

37 (A) APPLICATION NUMBER: US 09/423,100

38 (B) FILING DATE: 11-DEC-2000

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Mycroft, Frank J

42 (B) REGISTRATION NUMBER: 46,946

43 (C) REFERENCE/DOCKET NUMBER: 020167-000130US

46 (2) INFORMATION FOR SEQ ID NO: 1:

48 (i) SEQUENCE CHARACTERISTICS:

49 (A) LENGTH: 49 amino acids

50 (B) TYPE: amino acid

51 (C) STRANDEDNESS:

52 (D) TOPOLOGY: linear

54 (ii) MOLECULE TYPE: protein

57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

59 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

60 1 5 10 15

62 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe

63 20 25 30

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/054,873

DATE: 06/14/2002
TIME: 10:21:00

Input Set : A:\-1-3.app
Output Set: N:\CRF3\06142002\J054873.raw

```

65      Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
66          35          40          45
68      Pro
71 (2) INFORMATION FOR SEQ ID NO: 2:
73      (i) SEQUENCE CHARACTERISTICS:
74          (A) LENGTH: 92 amino acids
75          (B) TYPE: amino acid
76          (C) STRANDEDNESS:
77          (D) TOPOLOGY: linear
79      (ii) MOLECULE TYPE: protein
82      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84      Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
85          1          5          10          15
87      Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
88          20          25          30
90      Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
91          35          40          45
93      Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn
94          50          55          60
96      Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser
97          65          70          75          80
99      Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln
100          85          90
103 (2) INFORMATION FOR SEQ ID NO: 3:
105      (i) SEQUENCE CHARACTERISTICS:
106          (A) LENGTH: 6 amino acids
107          (B) TYPE: amino acid
108          (C) STRANDEDNESS:
109          (D) TOPOLOGY: linear
111      (ii) MOLECULE TYPE: protein
114      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
116      Leu Gly Thr Gly Pro Arg
117          1          5
120 (2) INFORMATION FOR SEQ ID NO: 4:
122      (i) SEQUENCE CHARACTERISTICS:
123          (A) LENGTH: 86 amino acids
124          (B) TYPE: amino acid
125          (C) STRANDEDNESS:
126          (D) TOPOLOGY: linear
128      (ii) MOLECULE TYPE: protein
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
133      Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
134          1          5          10          15
136      Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Arg
137          20          25          30
139      Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly Pro
140          35          40          45
142      Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys
143          50          55          60

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/054,873

DATE: 06/14/2002

TIME: 10:21:00

Input Set : A:\-1-3.app

Output Set: N:\CRF3\06142002\J054873.raw

145 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln
 146 65 70 75 80
 148 Leu Glu Asn Tyr Cys Asn
 149 85

152 (2) INFORMATION FOR SEQ ID NO: 5:

154 (i) SEQUENCE CHARACTERISTICS:

155 (A) LENGTH: 52 amino acids

156 (B) TYPE: amino acid

157 (C) STRANDEDNESS:

158 (D) TOPOLOGY: linear

160 (ii) MOLECULE TYPE: protein

163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

165 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 166 1 5 10 15
 168 Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Gly
 169 20 25 30
 171 Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu
 172 35 40 45
 174 Asn Tyr Cys Asn
 175 50

178 (2) INFORMATION FOR SEQ ID NO: 6:

180 (i) SEQUENCE CHARACTERISTICS:

181 (A) LENGTH: 107 amino acids

182 (B) TYPE: amino acid

183 (C) STRANDEDNESS:

184 (D) TOPOLOGY: linear

186 (ii) MOLECULE TYPE: protein

189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

191 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
 192 1 5 10 15
 194 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
 195 20 25 30
 197 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
 198 35 40 45
 200 Pro Leu Gly Thr Gly Pro Arg Phe Val Asn Gln His Leu Cys Gly Ser
 201 50 55 60
 203 His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe
 204 65 70 75 80
 206 Tyr Thr Pro Lys Thr Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile
 207 85 90 95
 209 Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
 210 100 105

213 (2) INFORMATION FOR SEQ ID NO: 7:

215 (i) SEQUENCE CHARACTERISTICS:

216 (A) LENGTH: 150 amino acids

217 (B) TYPE: amino acid

218 (C) STRANDEDNESS:

219 (D) TOPOLOGY: linear

221 (ii) MOLECULE TYPE: protein

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/054,873

DATE: 06/14/2002

TIME: 10:21:00

Input Set : A:\-1-3.app

Output Set: N:\CRF3\06142002\J054873.raw

```

224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
226 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
227 1 5 10 15
229 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
230 20 25 30
232 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
233 35 40 45
235 Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn
236 50 55 60
238 Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser
239 65 70 75 80
241 Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Leu Gly Thr Gly
242 85 90 95
244 Pro Arg Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala
245 100 105 110
247 Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
248 115 120 125
250 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln
251 130 135 140
253 Leu Glu Asn Tyr Cys Asn
254 145 150

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/054,873

DATE: 06/14/2002

TIME: 10:21:01

Input Set : A:\-1-3.app

Output Set: N:\CRF3\06142002\J054873.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]